

## **LISTING OF THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method for controlling supply of fuel to a combustion engine (1); ~~e.g. a self-igniting internal combustion engine in a vehicle;~~ having a first group of cylinders (4a) and a second group of cylinders (4b), the method comprising the steps of:

determining if a demanded total fuel quantity to the combustion engine (1) is below ~~the~~ a first predetermined total fuel quantity;

and, if the demanded total fuel quantity to the combustion engine (1) is below the first predetermined total fuel quantity, increasing the fuel supply to the first group of cylinders (4a) with a value determined by the demanded total fuel quantity and decreasing the fuel supply to the second group of cylinders (4b) with substantially the same value.

2. (Original) A method according to claim 1, wherein the value is reciprocally proportional to the demanded total fuel quantity on at least a part of a demanded total fuel quantity range between zero demanded total fuel quantity and the first predetermined total fuel quantity.

3. (Original) A method according to claim 2, wherein the value is reciprocally proportional to the demanded total fuel quantity in the whole demanded total fuel quantity range between a second predetermined total fuel quantity and the first predetermined total fuel quantity, the second predetermined total fuel quantity being smaller than the first predetermined total fuel quantity.

4. (Original) A method according to claim 2, wherein the value is highest and constant in a demanded total fuel quantity range between a second predetermined total fuel quantity and a third predetermined total fuel quantity, which is larger than the second predetermined total fuel quantity, but lower than the first predetermined total fuel quantity.

5. (Currently Amended) A method for controlling supply of fuel to a combustion engine (~~(1)~~), ~~e.g. a self-igniting internal combustion engine in a vehicle (2)~~, having a first group of cylinders (4a) and a second group of cylinders (~~(4b)~~), the method comprising the steps of:

determining if a demanded fuel quantity to one of the cylinders (~~(4a or 4b)~~) is below a first predetermined fuel quantity (~~(P)~~);

and, if the demanded fuel quantity to the one cylinder is below the first predetermined fuel quantity (~~(P)~~), increasing the fuel supply to the first group of cylinders (~~(4a)~~) with a value determined by the demanded fuel quantity and decreasing the fuel supply to the second group of cylinders (~~(4b)~~) with substantially the same value.

6. (Currently Amended) A method according to claim 5, wherein the value is reciprocally proportional to the demanded fuel quantity on at least a part of a demanded fuel quantity range between zero demanded fuel quantity and the first predetermined fuel quantity (~~(P)~~).

7. (Currently Amended) A method according to claim 6, wherein the value is reciprocally proportional to the demanded fuel quantity in the whole demanded fuel quantity range between a second predetermined fuel quantity (~~(Z)~~) and the first predetermined fuel quantity (~~(P)~~), the second predetermined fuel quantity (~~(Z)~~) being smaller than the first ~~predetermine~~ predetermined fuel quantity (~~(P)~~).

8. (Currently Amended) A method according to claim 6, wherein the value is highest and constant in a demanded fuel quantity range between a second predetermined fuel quantity (~~(Z)~~) and a third predetermined fuel quantity (~~(Q)~~), which is larger than the second predetermined fuel quantity (~~(Z)~~), but lower than the first predetermined fuel quantity (~~(P)~~).

9. (Currently Amended) A method according to claim 1 ~~any one of the preceding claims~~, wherein the value is always ~~is~~ less than 100%.

10. (Currently Amended) A method according to claim 1 ~~any one of the preceding claims~~, wherein the steps are performed during at least a part of a gear shifting procedure controlled by an electronic control unit (19) for semi-automatic or automatic gear shifting.

11. (Currently Amended) A method according to claim 1 ~~any one of the preceding claims~~, wherein the steps are performed when an automatic cruise control system for a vehicle controls the combustion engine (1).

12. (Currently Amended) A method according to claim 1 ~~any one of the preceding claims~~, wherein the fuel supply is increased to every two cylinders of all cylinders of the engine (1) and decreased to the other cylinders of the engine according to an ignition order for all the cylinders of the engine (1).

13. (Currently Amended) A computer program (14) comprising computer readable code means, which when run on a computer for controlling fuel supply to a combustion engine (1) ~~cause~~ causes the computer to perform the steps of claim 1 ~~or 5~~.

14. (Currently Amended) An electronic control unit (3) in a vehicle for controlling fuel supply to a combustion engine (1) in the vehicle, comprising a storing means (13) and [[a]] the computer program (14) according to claim 13 recorded thereon.

15. (Currently Amended) A computer program product (13), comprising a computer readable medium, which comprises [[a]] the computer program (14) according to claim 13.